package lockedMeApp;

import java.util.ArrayList;

import java.util.Collections;

import java.util.List;

import java.util.Scanner;

public class LockedMeApp {

private static List<String> fileNames = new ArrayList<>();

private static Scanner scanner = new Scanner(System.in);

public static void main(String[] args) {

displayWelcomeMessage();

boolean isRunning = true;

while (isRunning) {

displayMainMenu();

String choice = getUserChoice();

switch (choice) {

case "1":

retrieveFileNames();

break;

case "2":

addFile();

break;

case "3":

deleteFile();

break;

case "4":

searchFile();

break;

case "5":

isRunning = false;

System.out.println("Application closed.");

break;

default:

System.out.println("Invalid choice. Please try again.\n");

}

}

scanner.close();

}

private static void displayWelcomeMessage() {

System.out.println("Welcome to LockedMe.com");

System.out.println("----------------------------");

}

private static void displayMainMenu() {

System.out.println("\nMAIN MENU");

System.out.println("1. Retrieve File Names");

System.out.println("2. Add File");

System.out.println("3. Delete File");

System.out.println("4. Search File");

System.out.println("5. Close Application");

}

private static String getUserChoice() {

System.out.print("\nEnter your choice: ");

return scanner.nextLine();

}

private static void retrieveFileNames() {

if (fileNames.isEmpty()) {

System.out.println("No files found.");

return;

}

List<String> sortedFileNames = new ArrayList<>(fileNames);

Collections.sort(sortedFileNames);

System.out.println("\nFILE NAMES (Ascending Order):");

for (String fileName : sortedFileNames) {

System.out.println(fileName);

}

}

private static void addFile() {

System.out.print("\nEnter the file name to add: ");

String fileName = scanner.nextLine().trim();

if (fileName.isEmpty()) {

System.out.println("Invalid file name. Please try again.");

return;

}

fileNames.add(fileName);

System.out.println("File added successfully.");

}

private static void deleteFile() {

System.out.print("\nEnter the file name to delete: ");

String fileName = scanner.nextLine().trim();

if (fileName.isEmpty()) {

System.out.println("Invalid file name. Please try again.");

return;

}

if (fileNames.remove(fileName)) {

System.out.println("File deleted successfully.");

} else {

System.out.println("File not found.");

}

}

private static void searchFile() {

System.out.print("\nEnter the file name to search: ");

String fileName = scanner.nextLine().trim();

if (fileName.isEmpty()) {

System.out.println("Invalid file name. Please try again.");

return;

}

if (fileNames.contains(fileName)) {

System.out.println("File found.");

} else {

System.out.println("File not found.");

}

}

}